

JAMES H. DOUGLAS
GOVERNOR



State of Vermont
OFFICE OF THE GOVERNOR

CLEAN AND CLEAR WATER ACTION PLAN
Summary of Action Items Presented in FY05 Budget Address
January 20, 2004

In his budget address today, Governor Douglas announced his plans to request over \$6M in state funds from the General Assembly and to request nearly \$8M in federal funding to support his Clean and Clear Water Action Plan to improve statewide water quality in lakes, rivers and streams. This initiative will also accelerate the implementation of the plan to speed up the clean up of polluted areas of Lake Champlain. Major components of the Clean and Clear Water Action Plan include:

- \$3,500,000 to help Vermont farmers, statewide, with the construction of water quality protection projects, such as manure management structures and streambank stabilization on farms.
- \$2,575,000, statewide, to create easements along streams adjacent to agricultural lands for vegetated buffer strips that protect water quality, and an additional \$1,325,000 to support this conservation program in the St Albans Bay and Missisquoi Bay watersheds.
- \$150,000, statewide, to help with the implementation of new federal regulations for dairy farms with more than 200 mature animals.
- \$1,800,000, statewide, to support other water quality programs in the agricultural sector.
- \$1,000,000 for the construction of phosphorus treatment facilities at municipal wastewater treatment facilities serving the Missisquoi Bay watershed towns of Richford, Troy and Jay.
- \$523,000 for streambank stabilization and conservation, watershed action planning and assistance to towns with back road maintenance in the St Albans Bay and Missisquoi Bay watersheds.
- \$1,082,124 for streambank stabilization and conservation, watershed action planning and assistance to towns with back road maintenance in the remainder of the Lake Champlain Basin.
- \$175,000, statewide, for the management of erosion control at construction sites.

- \$75,000 in the Lake Champlain Basin to support regional planning commission initiatives to help towns include water quality management in local planning.
- \$250,000 for wetland acquisition and restoration in the Lake Champlain Basin.
- \$1,321,500 for enhanced monitoring of Lake Champlain and its watershed.

Governor Douglas said: “I am very excited about the Clean & Clear Water Action plan to improve water quality throughout Vermont. It is another example of the Vermont Way, because it provides the resources to both protect our precious natural heritage and help farmers and others who must act to improve water quality.”

Secretary of Agriculture, Food and Markets Steve Kerr said: “Vermont farmers are committed to keeping our waterways pristine, and the Governor’s Clean & Clear Water Action Plan gives them the tools they need to support that commitment.”

Secretary of Natural Resources Wibs McLain said: “The Governor’s Clean & Clear Water Action Plan, as well as his support for this agency’s base programs, provide us with the resources we need to really get the job of managing Vermont’s natural resources done and done right. We have completed the planning and now are committed to take action to maintain and improve lakes, rivers and streams across the state.”

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GOVERNOR DOUGLAS' CLEAN AND CLEAR ACTION PLAN						
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Program	Agency	Item#	Region	FY 04	FTE 05	Op 05	Capital FY05	Federal FY05	Funding Sources
Agriculture									
Agricultural Best Management Practices	Agr.	1	Statewide				\$1,000,000	\$2,500,000	Capital Budget, USDA-EQIP
Conservation Reserve Enhancement Prog.	Agr.	2	Statewide		\$75,000		\$500,000	\$2,000,000	VEDA, USDA-CREP
Conservation Reserve Enhancement Prog.	Agr.	3	Missisquoi/St. Albans		\$75,000		\$250,000	\$1,000,000	VEDA, USDA-CREP
Integrated Crop Management	Agr.	4	Statewide			<i>\$300,000</i>		\$500,000	General Fund, USDA
Conservation District ARS	Agr.	5	Statewide			\$100,000		\$100,000	General Fund, USDA
Alternative Manure Technology Grants	Agr.	6	Statewide			<i>\$50,000</i>	<i>\$450,000</i>	\$300,000	Capital Budget, Gen. Fund, USDA-NRCS
Environmental Farm Water Quality Reg.	Agr.	7	Statewide		\$150,000				General Fund
Natural Resources									
Wastewater Discharges	ANR	8	Lake Champlain Basin				\$1,000,000		Capital Budget
Watershed Coordinator	ANR	9	Missisquoi	\$37,500	\$75,000				General Fund
Watershed Coordinator	ANR	10	Lake Champlain Basin		\$75,000				General Fund
Stream Stability	ANR	11	Missisquoi/St. Albans	\$62,500	\$200,000	\$57,500	\$90,000		General Fund, VEDA
Stream Stability	ANR	12	Lake Champlain Basin		\$225,000	\$25,625	\$500,000	\$70,833	Gen. Fund, VEDA, EPA-319, FEMA, USDA, USFWS, VEM
Better Backroads	ANR	13	Missisquoi/St. Albans		\$37,500	\$11,000	\$52,000		VTrans Transfer, Transportation Capital Bonds
Better Backroads	ANR	14	Lake Champlain Basin		\$75,000	\$10,500	\$68,333	\$31,833	Vtrans Transfer, Transportation Capital Bonds
Erosion Control at Construction Sites	ANR	15	Statewide		\$150,000	\$25,000			General Fund
Local Municipal Actions	ANR	16	Lake Champlain Basin		\$75,000				General Fund
Wetland Protection and Restoration	ANR	17	Lake Champlain Basin				\$250,000		Capital Budget
Monitoring	ANR	18	Lake Champlain Basin		\$15,000	\$15,000		\$1,291,500	General Fund, LCBP
Program Administration	ANR	19	Lake Champlain Basin	\$70,000	\$75,000				General Fund
Stormwater	ANR	20	Statewide						Program recently up from <1 FTE to >6 FTE. Expected program changes may require more resources.
TOTAL				\$170,000	\$1,302,500	\$594,625	\$4,160,333	\$7,794,167	
			Total FTE & Operating			\$1,897,125			
AAF&M, one-time funding						\$750,000			
Total FY05 General Fund Need						\$1,013,125			
Total FY05 Transfer from Vtrans						\$134,000			
GRAND TOTAL FY05								\$13,851,625	
Notes:									
<i>Values in italics are cost items not included in the original TMDL plan.</i>									
Items in BOLD will be paid from existing AAF&M one time funds in FY05 only.									

Governor Douglas' Clean and Clear Action Plan

1/16/04		State Costs			Capital	Federal	Program Description
Program	Region	FY 04	FTE 05	Op 05	FY 05	FY 05	
Agency of Agriculture, Food, and Markets							
1	Agricultural Best Management Practices	Statewide			\$1,000,000	\$2,500,000	Enhance the agricultural Best Management Practice cost share program to construct water quality projects, such as waste management structures and streambank stabilization on farms. Currently, the program spends \$750,000 of capital dollars annually. Sources: Capital Budget, USDA-EQIP
2	Conservation Reserve Enhancement Program	Statewide		\$75,000	\$500,000	\$2,000,000	Create easements along streams on Vermont farms for buffer implementation. The federal government pays 80% of the program's costs. A \$500,000 state allocation will translate into a \$2.5 million program in agriculture. The FY 2004 budget has \$84,000 for this program. Administer the statewide program and ensure that Vermont's program goals are being met. Sources: VEDA, USDA-CREP, Special Fund
3	Conservation Reserve Enhancement Program	Missisquoi/St. Albans		\$75,000	\$250,000	\$1,000,000	Enhance the CREP program to allow Vermont creation of easements along streams on farms in the St. Albans and Missisquoi Bay watersheds for buffer implementation. With federal match, \$250,000 annually translates to a \$1.25 million program for agriculture in this region. Work with farmers in the St. Albans and Missisquoi Bay watersheds to enroll acreage and design appropriate buffers for the CREP program. Sources: VEDA, USDA-CREP, Special Fund
4	Integrated Crop Management	Statewide		\$300,000		\$500,000	Provide annual cost share dollars to implement nutrient management on Vermont farms. This program would be integrated with USDA's conservation programs to extend benefits for longer periods of time to farmers. Sources: Special Fund, USDA
5	Conservation District Agriculture Resource Specialists	Statewide		\$100,000		\$100,000	Hire Agriculture Resource Specialists to work with the farm community on agricultural water quality issues. This program has traditionally been funded through federal funds. There are insufficient federal funds to continue full staffing of this program, and \$100,000 in state funds will allow the staffing to continue. Sources: Special Fund, EPA
6	Alternative Manure Technology Grants	Statewide		\$50,000	\$450,000	\$300,000	Provide an annual budget to demonstrate experimental alternative manure management technologies and fund one half of an existing position. Sources: Capital Budget, Special Fund, USDA-NRCS
7	Environmental Farm Water Quality Regulation	Statewide		\$150,000			Implement a statewide environmental permitting program on dairy farms with more than 200 mature animals and to bring Vermont into compliance with federal Concentrated Animal Feeding Operation standards. Sources: Special Fund

Governor Douglas' Clean and Clear Action Plan

Program		Region	FY 04	State Costs FTE 05	Op 05	Capital FY 05	Federal FY 05	Program Description
Agency of Natural Resources								
8	Wastewater Discharges	Lake Champlain Basin				\$1,000,000		Provide state capital funds to upgrade the Richford and Troy/Jay municipal wastewater treatment facilities in order remove phosphorus from their effluent and achieve their wasteload allocations in the TMDL. Sources: Capital Budget
9	Watershed Coordinator	Missisquoi	\$37,500	\$75,000				Hire a Watershed Coordinator for the Missisquoi Bay watershed to lead the development of a river basin plan for phosphorus reduction and other water quality measures, and to remain in the watershed once the plan is finished to support the ongoing implementation of the plan. Sources: General Fund
10	Watershed Coordinator	Lake Champlain Basin		\$75,000				Hire a Watershed Coordinator in one additional planning basin to lead the development of a river basin plan for phosphorus reduction and other water quality measures, and to remain in the watershed once the plan is finished to support the ongoing implementation of the plan. Sources: General Fund
11	Stream Stabiliy	Missisquoi/St. Albans	\$62,500	\$200,000	\$57,500	\$90,000		Conduct Year 1 of a three-year program that will make significant progress in reducing sediment and phosphorus erosion in the watersheds of Missisquoi and St. Albans Bay. Implement demonstration projects in the Tyler Branch (Missisquoi Bay) and Stevens/Rugg Brook (St. Albans Bay) watersheds where stream geomorphic assessments have previously been completed. Conduct a Phase 1 Stream Geomorphic Assessment of the entire Missisquoi Bay watershed. Based on Phase 1 results, prioritize highly sensitive reaches and conduct Phase 2 Stream Geomorphic Assessments on targeted reaches. Based on Phase 2 results, select reaches for stream bank and river corridor protection or restoration projects. Design and implement river corridor demonstration projects to achieve sediment reduction from stream bank erosion sources. Provide a grant to the Northwest RPC to conduct an educational program on the science of river geomorphic management. Sources: General Fund, VEDA
12	Stream Stabiliy	Lake Champlain Basin		\$225,000	\$25,625	\$500,000	\$70,833	Address the major phosphorus loading problem of unstable streams through a comprehensive river management program including the elements of assessment, protection, management, restoration, and education. Sources: Gen. Fund, VEDA, EPA-319, FEMA, USDA, USFWS, VEM

Governor Douglas' Clean and Clear Action Plan

Program		Region	State Costs			Capital	Federal	Program Description
			FY 04	FTE 05	Op 05	FY 05	FY 05	
13	Better Backroads	Missisquoi/St. Albans		\$37,500	\$11,000	\$52,000		Provide increased grant funding to towns in the Missisquoi and St. Albans Bay watersheds to improve road maintenance practices in order to reduce erosion of phosphorus-bearing sediment. Provide technical assistance and training to town employees to support this program. Conduct a five-year equipment sharing pilot project. Sources: VTrans Transfer, Transportation Capital Bonds
14	Better Backroads	Lake Champlain Basin		\$75,000	\$10,500	\$68,333	\$31,833	Provide increased grant funding and technical assistance to towns to improve road maintenance practices in order to reduce erosion of phosphorus-bearing sediment. Sources: VTrans Transfer, Transportation Capital Bonds
15	Erosion Control at Construction Sites	Statewide		\$150,000	\$25,000			Enhance Agency staffing to review permit applications, erosion and sediment control plans, perform site visits, and ensure compliance with Act 250 permit requirements and the state General Permit for Stormwater Runoff from Construction Sites. Sources: General Fund
16	Local Municipal Actions	Lake Champlain Basin		\$75,000				Provide technical assistance to Vermont towns to support the process of revising zoning regulations or other municipal ordinances for better water quality protection. Sources: General Fund
17	Wetland Protection and Restoration	Lake Champlain Basin				\$250,000		Acquire, protect, and restore threatened wetlands as a means to secure their phosphorus reduction benefits. Sources: Capital Budget
18	Monitoring	Lake Champlain Basin		\$15,000	\$15,000		\$1,291,500	Sustain a comprehensive, long-term monitoring and research program to assess progress in reducing phosphorus. Water quality monitoring, land use analysis, and research are needed to document progress and to understand the reasons for any lack of progress. Sources: General Fund, LCBP
19	Program Administration	Lake Champlain Basin	\$70,000	\$75,000				Provide a position to ensure proper coordination, management, and accountability of the Clean and Clear Program. The FY04 funds include a \$25,000 study of phosphorus changes in the sediments of St. Albans Bay. Sources: General Fund
20	Stormwater	Statewide						This program was recently increased from <1 FTE to >6 FTE and may need additional resources depending on the nature of expected changes to the program.
	TOTAL		\$170,000	\$1,302,500	\$594,625	\$4,160,333	\$7,794,167	
		Total FTE & Operating FY05			\$1,897,125			
		AAF&M, one-time funding			\$750,000			
		Total FY05 General Fund Need			\$1,013,125			
		Total FY05 Transfer from Vtrans			\$134,000			
Notes:		GRAND TOTAL FY05			\$13,851,625			
	<i>Values in italics are cost items not included in the original TMDL plan.</i>							
	Items in BOLD will be paid from existing AAF&M one time funds in FY05 only.							

GOVERNOR DOUGLAS' CLEAN AND CLEAR ACTION PLAN

AGENCY OF AGRICULTURE, FOOD & MARKETS

SUMMARY OF PROPOSED INCREASES IN SFY '04 & SFY '05

PROGRAM DESCRIPTION	TOTAL SFY '03	SFY '04 INCREASE	TOTAL SFY '04	SFY '05 INCREASE	TOTAL SFY '05	TOTAL INCREASE
Agricultural Best Management Practices						
Positions	0.50	0.00	0.50	0.00	0.50	0.00
Personnel & Operating Costs	\$0	\$0	\$0	\$0	\$0	\$0
Grants	\$800,000	(\$50,000)	\$750,000	\$250,000	\$1,000,000	\$200,000
Conservation Reserve Enhancement Program - Statewide						
Positions	0.00	0.00	0.00	1.00	1.00	1.00
Personnel & Operating Costs	\$0	\$0	\$0	\$75,000	\$75,000	\$75,000
Grants	\$100,000	(\$16,532)	\$83,468	\$500,000	\$583,468	\$483,468
Conservation Reserve Enhancement Program - Missisquoi/St. Albans						
Positions	0.00	0.00	0.00	1.00	1.00	1.00
Personnel & Operating Costs	\$0	\$0	\$0	\$75,000	\$75,000	\$75,000
Grants	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000
Integrated Crop Management						
Positions	0.00	0.00	0.00	0.00	0.00	0.00
Personnel & Operating Costs	\$0	\$0	\$0	\$300,000	\$300,000	\$300,000
Grants	\$0	\$0	\$0	\$0	\$0	\$0
Conservation District Agriculture Resource Specialists						
Positions	0.00	0.00	0.00	0.00	0.00	0.00
Personnel & Operating Costs	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000
Grants	\$0	\$0	\$0	\$0	\$0	\$0
Alternative Manure Management						
Positions	0.00	0.00	0.00	0.00	0.00	0.00
Personnel & Operating Costs	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000
Grants	\$0	\$0	\$0	\$450,000	\$450,000	\$450,000
Environmental Farm Water Quality Regulation						
Positions	1.00	0.00	1.00	2.00	3.00	2.00
Personnel & Operating Costs	\$66,366	\$453	\$66,819	\$152,182	\$219,001	\$152,635
Grants	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL						
Positions	1.50	0.00	1.50	4.00	5.50	4.00
Personnel & Operating Costs	\$66,366	\$453	\$66,819	\$752,182	\$819,001	\$752,635
Grants	\$900,000	(\$66,532)	\$833,468	\$1,450,000	\$2,283,468	\$1,383,468
TOTAL COSTS	\$966,366	(\$66,079)	\$900,287	\$2,202,182	\$3,102,469	\$2,136,103

GOVERNOR DOUGLAS' CLEAN AND CLEAR ACTION PLAN
AGENCY OF NATURAL RESOURCES
SUMMARY OF PROPOSED INCREASES IN SFY'04 & SFY'05

16-Jan-04

PROGRAM DESCRIPTION	TOTAL SFY'03	SFY'04 INCREASE	TOTAL SFY'04	SFY'05 INCREASE	TOTAL SFY'05	TOTAL INCREASE
Watershed Coordinators						
Positions	3.40	1.00	4.40	1.00	5.40	2.00
Personnel & Operating Costs	\$255,000	\$37,500	\$292,500	\$112,500	\$405,000	\$150,000
Contracts & Grants	\$40,000	\$0	\$40,000	\$0	\$40,000	\$0
Stream Stability						
Positions	7.00	1.00	8.00	4.00	12.00	5.00
Personnel & Operating Costs	\$525,000	\$37,500	\$562,500	\$408,625	\$971,125	\$446,125
Contracts & Grants *	\$245,000	\$25,000	\$270,000	\$37,000	\$307,000	\$62,000
Better Backroads						
Positions	0.15	0.00	0.15	0.00	0.15	0.00
Personnel & Operating Costs	\$11,250	\$0	\$11,250	\$0	\$11,250	\$0
Contracts & Grants**	\$93,000	\$0	\$93,000	\$134,000	\$227,000	\$134,000
Erosion Control						
Positions	1.00	0.00	1.00	2.00	3.00	2.00
Personnel & Operating Costs	\$75,000	\$0	\$75,000	\$150,000	\$225,000	\$150,000
Contracts & Grants		\$0		\$25,000	\$25,000	\$25,000
Local Municipal Actions						
Positions	0.10	0.00	0.10	0.00	0.10	0.00
Personnel & Operating Costs	\$7,500	\$0	\$7,500	\$0	\$7,500	\$0
Contracts & Grants		\$0		\$75,000	\$75,000	\$75,000
Monitoring						
Positions	0.75	0.00	0.75	0.00	0.75	0.00
Personnel & Operating Costs	\$56,250	\$0	\$56,250	\$30,000	\$86,250	\$30,000
Contracts & Grants	\$53,000	\$0	\$53,000	\$0	\$53,000	\$0
Program Administration						
Positions	1.50	1.00	2.50	0.00	2.50	1.00
Personnel & Operating Costs	\$112,500	\$45,000	\$157,500	\$30,000	\$187,500	\$75,000
Contracts & Grants		\$25,000	\$25,000	-\$25,000		\$0
TOTAL						
Positions	13.90	3.00	16.90	7.00	23.90	10.00
Personnel & Operating Costs	\$1,042,500	\$120,000	\$1,162,500	\$731,125	\$1,893,625	\$851,125
Contracts & Grants	\$431,000	\$50,000	\$481,000	\$246,000	\$727,000	\$296,000
TOTAL COSTS	\$1,473,500	\$170,000	\$1,643,500	\$977,125	\$2,620,625	\$1,147,125

Note: Personnel and base operating costs calculated at \$75,000 per FTE. FY04 requested increases show partial year funding.

*SFY03 stream stability grants are a three year average.

** Better Backroads grants funded by an interdepartmental transfer from the Agency of Transportation